UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

: 6,847,439 B2

Page 1 of 1

DATED

: January 25, 2004 INVENTOR(S) : Minneman et al.

> It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8,

Line 50, replace "time to" with -- time t0 --

Column 12,

Lines 3-4, replace "way lengths" with -- wavelengths --

Signed and Sealed this

Twelfth Day of April, 2005

JON W. DUDAS Director of the United States Patent and Trademark Office